

Write your name here										
Surname	Other names									
Centre Number	Candidate Number									
<b>Edexcel IGCSE</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse; margin-left: 20px;"> <tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr> </table>									
<b>Further Pure Mathematics</b>										
<b>Paper 2</b>										
Tuesday 21 June 2011 – Morning	Paper Reference									
<b>Time: 2 hours</b>	<b>4PM0/02</b>									
<b>Calculators may be used.</b>	Total Marks									

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Without sufficient working, correct answers may be awarded no marks.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*

### Information

- The total mark for this paper is 100.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

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Turn over ►

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**Question 7 continued**

A large rectangular area containing 25 horizontal dotted lines for writing the answer to Question 7.







**Question 8 continued**

A large rectangular area with rounded corners, containing 25 horizontal dotted lines for writing.







**Question 9 continued**

A large rectangular area with rounded corners, containing 25 horizontal dotted lines for writing.







**Question 10 continued**

A large rectangular area with rounded corners, containing 25 horizontal dotted lines for writing the answer to Question 10.







**Question 11 continued**

The curve  $C$  has equation  $y = x^2 + 6x + 8$  and the line  $l$  has equation  $y = 2 - x$

In the space below,

(e) sketch, on the same axes, the curve  $C$  and the line  $l$ . (2)

(f) Find the area of the finite region bounded by the curve  $C$  and the line  $l$ . (5)

**Question 11 continued**

A large rectangular area with rounded corners, containing 25 horizontal dotted lines for writing.



